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PASSWORD:

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* * * * * Welcome to STN International * * * * *

| | | | |
|--------------|----|--------|--|
| NEWS | 1 | | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS | 2 | | "Ask CAS" for self-help around the clock |
| NEWS | 3 | FEB 28 | PATDPAFULL - New display fields provide for legal status data from INPADOC |
| NEWS | 4 | FEB 28 | BABS - Current-awareness alerts (SDIs) available |
| NEWS | 5 | MAR 02 | GBFULL: New full-text patent database on STN |
| NEWS | 6 | MAR 03 | REGISTRY/ZREGISTRY - Sequence annotations enhanced |
| NEWS | 7 | MAR 03 | MEDLINE file segment of TOXCENTER reloaded |
| NEWS | 8 | MAR 22 | KOREAPAT now updated monthly; patent information enhanced |
| NEWS | 9 | MAR 22 | Original IDE display format returns to REGISTRY/ZREGISTRY |
| NEWS | 10 | MAR 22 | PATDPASPC - New patent database available |
| NEWS | 11 | MAR 22 | REGISTRY/ZREGISTRY enhanced with experimental property tags |
| NEWS | 12 | APR 04 | EPFULL enhanced with additional patent information and new fields |
| NEWS | 13 | APR 04 | EMBASE - Database reloaded and enhanced |
| NEWS | 14 | APR 18 | New CAS Information Use Policies available online |
| NEWS | 15 | APR 25 | Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAPLUS and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications. |
| NEWS | 16 | APR 28 | Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAPLUS |
| NEWS | 17 | MAY 23 | GBFULL enhanced with patent drawing images |
| NEWS | 18 | MAY 23 | REGISTRY has been enhanced with source information from CHEMCATS |
| NEWS | 19 | JUN 06 | The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available |
| NEWS | 20 | JUN 13 | RUSSIAPAT: New full-text patent database on STN |
| NEWS | 21 | JUN 13 | FRFULL enhanced with patent drawing images |
| NEWS | 22 | JUN 27 | MARPAT displays enhanced with expanded G-group definitions and text labels |
| NEWS | 23 | JUL 01 | MEDICONF removed from STN |
| NEWS | 24 | JUL 07 | STN Patent Forums to be held in July 2005 |
| NEWS | 25 | JUL 13 | SCISEARCH reloaded |
| NEWS | 26 | JUL 20 | Powerful new interactive analysis and visualization software, STN AnaVist, now available |
| NEWS EXPRESS | | | JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005 |
| NEWS HOURS | | | STN Operating Hours Plus Help Desk Availability |
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| NEWS WWW | | | CAS World Wide Web Site (general information) |

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:48:36 ON 08 AUG 2005

=> file medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'MEDLINE' ENTERED AT 15:48:49 ON 08 AUG 2005

FILE LAST UPDATED: 6 AUG 2005 (20050806/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MeSH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>

http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s ATR2 or MRXS3 or RAD54 or RAD54L or XH2 or (X-linked helicase II) or (X-linked nuclear protein) or XNP or Znf-HX or ZNF-HX or ATRX

11 ATR2
3 MRXS3
252 RAD54
26 RAD54L
15 XH2
612211 X
241835 LINKED
4276 HELICASE
6418 HELICASES
7746 HELICASE
(HELICASE OR HELICASES)
544571 II
401 IIS
544739 II
(II OR IIS)
0 X-LINKED HELICASE II
(X(W) LINKED(W) HELICASE(W) II)
612211 X
241835 LINKED
236731 NUCLEAR
12 NUCLEARS
236740 NUCLEAR
(NUCLEAR OR NUCLEARS)

1416617 PROTEIN
1177347 PROTEINS
1798867 PROTEIN
 (PROTEIN OR PROTEINS)
 3 X-LINKED NUCLEAR PROTEIN
 (X(W) LINKED(W) NUCLEAR(W) PROTEIN)

31 XNP
90 ZNF
9 ZNFS
93 ZNF
 (ZNF OR ZNFS)

980 HX
0 ZNF-HX
 (ZNF(W) HX)
90 ZNF
9 ZNFS
93 ZNF
 (ZNF OR ZNFS)

980 HX
0 ZNF-HX
 (ZNF(W) HX)

80 ATRX

L1 370 ATR2 OR MRXS3 OR RAD54 OR RAD54L OR XH2 OR (X-LINKED HELICASE
II) OR (X-LINKED NUCLEAR PROTEIN) OR XNP OR ZNF-HX OR ZNF-HX OR
ATR2

=> s ATRX

L2 80 ATRX

=> s siRNA or (silencing RNA) or (rna interference) or RNAi or (double stranded
RNA) or (double-stranded RNA) or dsRNA

1789 SIRNA
726 SIRNAS
2033 SIRNA
 (SIRNA OR SIRNAS)
8724 SILENCING
3 SILENCINGS
8725 SILENCING
 (SILENCING OR SILENCINGS)

429518 RNA
19040 RNAS
431237 RNA
 (RNA OR RNAS)
17 SILENCING RNA
 (SILENCING(W) RNA)

429518 RNA
19040 RNAS
431237 RNA
 (RNA OR RNAS)
43458 INTERFERENCE
3595 INTERFERENCES
46552 INTERFERENCE
 (INTERFERENCE OR INTERFERENCES)
4383 RNA INTERFERENCE
 (RNA(W) INTERFERENCE)

2078 RNAI
236067 DOUBLE
1426 DOUBLES
237328 DOUBLE
 (DOUBLE OR DOUBLES)
45728 STRANDED
429518 RNA
19040 RNAS

431237 RNA
 (RNA OR RNAS)
 4133 DOUBLE STRANDED RNA
 (DOUBLE (W) STRANDED (W) RNA)
 236067 DOUBLE
 1426 DOUBLES
 237328 DOUBLE
 (DOUBLE OR DOUBLES)
 45728 STRANDED
 429518 RNA
 19040 RNAS
 431237 RNA
 (RNA OR RNAS)
 4133 DOUBLE-STRANDED RNA
 (DOUBLE (W) STRANDED (W) RNA)
 2376 DSRNA
 344 DSRNAS
 2447 DSRNA
 (DSRNA OR DSRNAS)

L3 10530 SIRNA OR (SILENCING RNA) OR (RNA INTERFERENCE) OR RNAI OR (DOUBLE STRANDED RNA) OR (DOUBLE-STRANDED RNA) OR DSRNA

=> s l3 and l1

L4 2 L3 AND L1

=> d ibib 1-2

L4 ANSWER 1 OF 2 MEDLINE on STN
 ACCESSION NUMBER: 2005023373 MEDLINE
 DOCUMENT NUMBER: PubMed ID: 15649460
 TITLE: **XNP-1**/ATR-X acts with RB, HP1 and the NuRD complex during larval development in *C. elegans*.
 AUTHOR: Cardoso Carlos; Couillaud Carole; Mignon-Ravix Cecile; Millet Anne; Ewbank Jonathan J; Fontes Michel; Pujol Nathalie
 CORPORATE SOURCE: INSERM U491, Faculte de Medecine la Timone, 27, Bd Jean Moulin, 13385 Marseille Cedex 5, France.
 SOURCE: Developmental biology, (2005 Feb 1) 278 (1) 49-59.
 Journal code: 0372762. ISSN: 0012-1606.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200503
 ENTRY DATE: Entered STN: 20050115
 Last Updated on STN: 20050309
 Entered Medline: 20050308

L4 ANSWER 2 OF 2 MEDLINE on STN
 ACCESSION NUMBER: 2004340328 MEDLINE
 DOCUMENT NUMBER: PubMed ID: 15242786
 TITLE: **ATRX**, a member of the SNF2 family of helicase/ATPases, is required for chromosome alignment and meiotic spindle organization in metaphase II stage mouse oocytes.
 AUTHOR: De La Fuente Rabindranath; Viveiros Maria M; Wigglesworth Karen; Eppig John J
 CORPORATE SOURCE: The Jackson Laboratory, Bar Harbor, ME 04609, USA..
 rfuentes@vet.upenn.edu
 CONTRACT NUMBER: CA 34196 (NCI)
 HD21970 (NICHD)
 SOURCE: Developmental biology, (2004 Aug 1) 272 (1) 1-14.
 Journal code: 0372762. ISSN: 0012-1606.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200409
ENTRY DATE: Entered STN: 20040710
Last Updated on STN: 20040921
Entered Medline: 20040917

=> s apoptosis or (cell deathc)
99563 APOPTOSIS
1914479 CELL
1736748 CELLS
2557041 CELL
(CELL OR CELLS)
0 DEATHC
0 CELL DEATHC
(CELL(W) DEATHC)
L5 99563 APOPTOSIS OR (CELL DEATHC)

=> s apoptosis or (cell death)
99563 APOPTOSIS
1914479 CELL
1736748 CELLS
2557041 CELL
(CELL OR CELLS)
295463 DEATH
66909 DEATHS
336254 DEATH
(DEATH OR DEATHS)
54724 CELL DEATH
(CELL(W) DEATH)
L6 125896 APOPTOSIS OR (CELL DEATH)

=> s l6 and l1
L7 13 L6 AND L1

=> s l7 not @py>2002
'2002' NOT A VALID FIELD CODE
0 @PY>2002
L8 13 L7 NOT @PY>2002

=> s l7 not py>2002
1515153 PY>2002
L9 5 L7 NOT PY>2002

=> d ibib 1-5

L9 ANSWER 1 OF 5 MEDLINE on STN
ACCESSION NUMBER: 2001204633 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11238918
TITLE: Two survivor pathways that allow growth in the absence of telomerase are generated by distinct telomere recombination events.
AUTHOR: Chen Q; Ijpma A; Greider C W
CORPORATE SOURCE: Department of Molecular Biology and Genetics, Graduate Program in Cell and Molecular Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland 21205, USA.
CONTRACT NUMBER: GM43080 (NIGMS)
SOURCE: Molecular and cellular biology, (2001 Mar) 21 (5) 1819-27. Journal code: 8109087. ISSN: 0270-7306.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200104
ENTRY DATE: Entered STN: 20010417
Last Updated on STN: 20030214
Entered Medline: 20010412

L9 ANSWER 2 OF 5 MEDLINE on STN
ACCESSION NUMBER: 1999242571 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10224249
TITLE: RAD50 and RAD51 define two pathways that collaborate to maintain telomeres in the absence of telomerase.
AUTHOR: Le S; Moore J K; Haber J E; Greider C W
CORPORATE SOURCE: Department of Molecular Biology and Genetics, Johns Hopkins University School of Medicine, Baltimore, Maryland 21205, USA.
CONTRACT NUMBER: CA 68736 (NCI)
CA16519 (NCI)
GM43080 (NIGMS)
SOURCE: Genetics, (1999 May) 152 (1) 143-52.
Journal code: 0374636. ISSN: 0016-6731.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199907
ENTRY DATE: Entered STN: 19990727
Last Updated on STN: 20030218
Entered Medline: 19990712

L9 ANSWER 3 OF 5 MEDLINE on STN
ACCESSION NUMBER: 1998409553 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9736627
TITLE: Homologous recombination and non-homologous end-joining pathways of DNA double-strand break repair have overlapping roles in the maintenance of chromosomal integrity in vertebrate cells.
AUTHOR: Takata M; Sasaki M S; Sonoda E; Morrison C; Hashimoto M; Utsumi H; Yamaguchi-Iwai Y; Shinohara A; Takeda S
CORPORATE SOURCE: Department of Molecular Immunology and Allergology, Kyoto University Medical School, Konoe Yoshida, Sakyo-ku, Kyoto 606-8315, Japan.
SOURCE: EMBO journal, (1998 Sep 15) 17 (18) 5497-508.
Journal code: 8208664. ISSN: 0261-4189.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AB016529
ENTRY MONTH: 199810
ENTRY DATE: Entered STN: 19990106
Last Updated on STN: 20030218
Entered Medline: 19981030

L9 ANSWER 4 OF 5 MEDLINE on STN
ACCESSION NUMBER: 96002279 MEDLINE
DOCUMENT NUMBER: PubMed ID: 7546190
TITLE: The immunology and developmental biology of the chicken.
AUTHOR: Vainio O; Imhof B A
CORPORATE SOURCE: Basel Institute for Immunology, Switzerland.
SOURCE: Immunology today, (1995 Aug) 16 (8) 365-70.

JOURNAL CODE: 8008346. ISSN: 0167-5699.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Conference; Conference Article; (CONGRESSES)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199510
ENTRY DATE: Entered STN: 19951227
Last Updated on STN: 19990129
Entered Medline: 19951020

L9 ANSWER 5 OF 5 MEDLINE on STN
ACCESSION NUMBER: 92216114 MEDLINE
DOCUMENT NUMBER: PubMed ID: 1806030
TITLE: Generation of DNA damage by anti-neoplastic agents.
AUTHOR: Kubota M
CORPORATE SOURCE: Kyoto University Hospital, Department of Pediatrics, Japan.
SOURCE: Anti-cancer drugs, (1991 Dec) 2 (6) 531-41. Ref: 125
Journal code: 9100823. ISSN: 0959-4973.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199205
ENTRY DATE: Entered STN: 19920529
Last Updated on STN: 19920529
Entered Medline: 19920512

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|----------------------|------------|---------|
| => file caplus | | |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 2.71 | 2.92 |

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FILE COVERS 1907 - 8 Aug 2005 VOL 143 ISS 7
FILE LAST UPDATED: 7 Aug 2005 (20050807/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s ATR2 or MRXS3 or RAD54 or RAD54L or XH2 or (X-linked helicase II) or (X-linked nuclear protein) or XNP or Znf-HX or ZNF-HX or ATRX
18 ATR2
1 MRXS3

348 RAD54
 29 RAD54L
 271 XH2
 1453260 X
 234941 LINKED
 1 LINKEDS
 234941 LINKED
 (LINKED OR LINKEDS)
 5697 HELICASE
 2857 HELICASES
 6259 HELICASE
 (HELICASE OR HELICASES)
 2039256 II
 859 IIS
 2039743 II
 (II OR IIS)
 0 X-LINKED HELICASE II
 (X(W) LINKED(W) HELICASE(W) II)
 1453260 X
 234941 LINKED
 1 LINKEDS
 234941 LINKED
 (LINKED OR LINKEDS)
 856775 NUCLEAR
 23 NUCLEARS
 856792 NUCLEAR
 (NUCLEAR OR NUCLEARS)
 1770171 PROTEIN
 1231913 PROTEINS
 2057319 PROTEIN
 (PROTEIN OR PROTEINS)
 6 X-LINKED NUCLEAR PROTEIN
 (X(W) LINKED(W) NUCLEAR(W) PROTEIN)
 59 XNP
 172 ZNF
 9 ZNFS
 175 ZNF
 (ZNF OR ZNFS)
 8307 HX
 0 ZNF-HX
 (ZNF(W) HX)
 172 ZNF
 9 ZNFS
 175 ZNF
 (ZNF OR ZNFS)
 8307 HX
 0 ZNF-HX
 (ZNF(W) HX)
 106 ATRX
 L10 801 ATR2 OR MRXS3 OR RAD54 OR RAD54L OR XH2 OR (X-LINKED HELICASE
 II) OR (X-LINKED NUCLEAR PROTEIN) OR XNP OR ZNF-HX OR ZNF-HX OR
 ATRX

=> s siRNA or (silencing RNA) or (rna interference) or RNAi or (double stranded
 RNA) or (double-stranded RNA) or dsRNA

3348 SIRNA
 1366 SIRNAS
 3590 SIRNA
 (SIRNA OR SIRNAS)
 8888 SILENCING
 3 SILENCINGS
 8888 SILENCING
 (SILENCING OR SILENCINGS)

292426 RNA
 23643 RNAS
 296749 RNA
 (RNA OR RNAS)
 183 SILENCING RNA
 (SILENCING (W) RNA)
 292426 RNA
 23643 RNAS
 296749 RNA
 (RNA OR RNAS)
 127854 INTERFERENCE
 22174 INTERFERENCES
 144597 INTERFERENCE
 (INTERFERENCE OR INTERFERENCES)
 4556 RNA INTERFERENCE
 (RNA (W) INTERFERENCE)
 3326 RNAI
 4 RNAIS
 3327 RNAI
 (RNAI OR RNAIS)
 450615 DOUBLE
 3785 DOUBLES
 454033 DOUBLE
 (DOUBLE OR DOUBLES)
 57479 STRANDED
 292426 RNA
 23643 RNAS
 296749 RNA
 (RNA OR RNAS)
 10144 DOUBLE STRANDED RNA
 (DOUBLE (W) STRANDED (W) RNA)
 450615 DOUBLE
 3785 DOUBLES
 454033 DOUBLE
 (DOUBLE OR DOUBLES)
 57479 STRANDED
 292426 RNA
 23643 RNAS
 296749 RNA
 (RNA OR RNAS)
 10144 DOUBLE-STRANDED RNA
 (DOUBLE (W) STRANDED (W) RNA)
 3474 DSRNA
 579 DSRNAS
 3591 DSRNA
 (DSRNA OR DSRNAS)
 L11 15443 SIRNA OR (SILENCING RNA) OR (RNA INTERFERENCE) OR RNAI OR (DOUBL
 E STRANDED RNA) OR (DOUBLE-STRANDED RNA) OR DSRNA

=> s l11 and l10

L12 12 L11 AND L10

=> s apoptosis or (cell death)

103629 APOPTOSIS
 1944255 CELL
 1712539 CELLS
 2585994 CELL
 (CELL OR CELLS)
 124287 DEATH
 10112 DEATHS
 131539 DEATH
 (DEATH OR DEATHS)
 52210 CELL DEATH

(CELL(W) DEATH)
L13 126673 APOPTOSIS OR (CELL DEATH)

=> s l13 and l12

L14 8 L13 AND L12

=> d l14 not py>2002

'NOT' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

'PY>2002' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB
ALL ----- BIB, AB, IND, RE
APPS ----- AI, PRAI
BIB ----- AN, plus Bibliographic Data and PI table (default)
CAN ----- List of CA abstract numbers without answer numbers
CBIB ----- AN, plus Compressed Bibliographic Data
DALL ----- ALL, delimited (end of each field identified)
DMAX ----- MAX, delimited for post-processing
FAM ----- AN, PI and PRAI in table, plus Patent Family data
FBIB ----- AN, BIB, plus Patent FAM
IND ----- Indexing data
IPC ----- International Patent Classifications
MAX ----- ALL, plus Patent FAM, RE
PATS ----- PI, SO
SAM ----- CC, SX, TI, ST, IT
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
SCAN must be entered on the same line as the DISPLAY,
e.g., D SCAN or DISPLAY SCAN)
STD ----- BIB, IPC, and NCL

IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IMAX ----- MAX, indented with text labels
ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms
HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
containing hit terms
HITRN ----- HIT RN and its text modification
HITSTR ----- HIT RN, its text modification, its CA index name, and
its structure diagram
HITSEQ ----- HIT RN, its text modification, its CA index name, its
structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
structure diagram, plus NTE and SEQ fields
KWIC ----- Hit term plus 20 words on either side
OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the

information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):end

=> d his

(FILE 'HOME' ENTERED AT 15:48:36 ON 08 AUG 2005)

FILE 'MEDLINE' ENTERED AT 15:48:49 ON 08 AUG 2005

L1 370 S ATR2 OR MRXS3 OR RAD54 OR RAD54L OR XH2 OR (X-LINKED HELICASE
L2 80 S ATRX
L3 10530 S SIRNA OR (SILENCING RNA) OR (RNA INTERFERENCE) OR RNAI OR (DO
L4 2 S L3 AND L1
L5 99563 S APOPTOSIS OR (CELL DEATHC)
L6 125896 S APOPTOSIS OR (CELL DEATH)
L7 13 S L6 AND L1
L8 13 S L7 NOT @PY>2002
L9 5 S L7 NOT PY>2002

FILE 'CAPLUS' ENTERED AT 15:51:28 ON 08 AUG 2005

L10 801 S ATR2 OR MRXS3 OR RAD54 OR RAD54L OR XH2 OR (X-LINKED HELICASE
L11 15443 S SIRNA OR (SILENCING RNA) OR (RNA INTERFERENCE) OR RNAI OR (DO
L12 12 S L11 AND L10
L13 126673 S APOPTOSIS OR (CELL DEATH)
L14 8 S L13 AND L12

=> s l14 not py>2002

2899906 PY>2002

L15 1 L14 NOT PY>2002

=> d ibib 1

L15 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:937303 CAPLUS

DOCUMENT NUMBER: 138:20443

TITLE: Endocrine disruptor screening using DNA chips of
endocrine disruptor-responsive genes

INVENTOR(S): Kondo, Akihiro; Takeda, Takeshi; Mizutani, Shigetoshi;
Tsujimoto, Yoshimasa; Takashima, Ryokichi; Enoki,
Yuki; Kato, Ikunoshin

PATENT ASSIGNEE(S): Takara Bio Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 386 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|------------|
| JP 2002355079 | A2 | 20021210 | JP 2002-69354 | 20020313 |
| PRIORITY APPLN. INFO.: | | | JP 2001-73183 | A 20010314 |
| | | | JP 2001-74993 | A 20010315 |
| | | | JP 2001-102519 | A 20010330 |

=> d kwic

L15 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

IT Proteins
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (BCL2-antagonist of **cell death**; endocrine disruptor
 screening using DNA chips of endocrine disruptor-responsive genes)

IT Antigens
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (CD81 **antigen**; **endocrine** disruptor screening using
 DNA chips of endocrine disruptor-responsive genes)

IT Proteins
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (**apoptosis** inhibitor 1; endocrine disruptor screening using
 DNA chips of endocrine disruptor-responsive genes)

IT Proteins
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (defender against **cell death** 1; endocrine disruptor
 screening using DNA chips of endocrine disruptor-responsive genes)

IT Proteins
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (interferon inducible **double stranded RNA**
 dependent protein kinase activator; endocrine disruptor screening using
 DNA chips of endocrine disruptor-responsive genes)

IT Proteins
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (interferon inducible **double stranded RNA**
 dependent protein kinase inhibitor; endocrine disruptor screening using
 DNA chips of endocrine disruptor-responsive genes)

IT Antigens
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (nuclear antigens, **nuclear** antigen Sp100; endocrine disruptor
 screening using DNA chips of endocrine disruptor-responsive genes)

IT Proteins
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (open reading frame; **endocrine** disruptor screening using DNA
 chips of endocrine disruptor-responsive genes)

IT 243664-63-3, DNA polymerase ζ
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (**RAD54**/REV3-like catalytic subunit; endocrine disruptor
 screening using DNA chips of endocrine disruptor-responsive genes)

IT 169592-56-7, Caspase 3
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (caspase 3, **apoptosis**-related cysteine protease; endocrine
 disruptor screening using DNA chips of endocrine disruptor-responsive
 genes)

=> file pctfull
 COST IN U.S. DOLLARS
 FULL ESTIMATED COST

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 70.81 | 73.73 |

FILE 'PCTFULL' ENTERED AT 15:53:17 ON 08 AUG 2005
 COPYRIGHT (C) 2005 Univentio

FILE LAST UPDATED: 3 AUG 2005 <20050803/UP>
 MOST RECENT UPDATE WEEK: 200530 <200530/EW>
 FILE COVERS 1978 TO DATE

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

=> s ATR2 or MRXS3 or RAD54 or RAD54L or XH2 or (X-linked helicase II) or (X-linked
 nuclear protein) or XNP or Znf-HX or ZNF-HX or ATRX
 31 ATR2
 2 MRXS3

116 RAD54
 22 RAD54L
 231 XH2
 413191 X
 141176 LINKED
 1952 HELICASE
 671 HELICASES
 2204 HELICASE
 (HELICASE OR HELICASES)
 318537 II
 5519 IIS
 319984 II
 (II OR IIS)
 2 X-LINKED HELICASE II
 (X(W) LINKED(W) HELICASE(W) II)
 413191 X
 141176 LINKED
 48928 NUCLEAR
 4 NUCLEARS
 48929 NUCLEAR
 (NUCLEAR OR NUCLEARS)
 122572 PROTEIN
 103454 PROTEINS
 135281 PROTEIN
 (PROTEIN OR PROTEINS)
 5 X-LINKED NUCLEAR PROTEIN
 (X(W) LINKED(W) NUCLEAR(W) PROTEIN)
 103 XNP
 1 XNPS
 104 XNP
 (XNP OR XNPS)
 181 ZNF
 3 ZNFS
 183 ZNF
 (ZNF OR ZNFS)
 3994 HX
 1 HXES
 3995 HX
 (HX OR HXES)
 3 ZNF-HX
 (ZNF(W) HX)
 181 ZNF
 3 ZNFS
 183 ZNF
 (ZNF OR ZNFS)
 3994 HX
 1 HXES
 3995 HX
 (HX OR HXES)
 3 ZNF-HX
 (ZNF(W) HX)
 55 ATRX
 L16 516 ATR2 OR MRXS3 OR RAD54 OR RAD54L OR XH2 OR (X-LINKED HELICASE
 II) OR (X-LINKED NUCLEAR PROTEIN) OR XNP OR ZNF-HX OR ZNF-HX OR
 ATRX

=> s siRNA or (silencing RNA) or (rna interference) or RNAi or (double stranded
 RNA) or (double-stranded RNA) or dsRNA

2137 SIRNA
 1407 SIRNAS
 2295 SIRNA
 (SIRNA OR SIRNAS)
 4112 SILENCING

1 SILENCINGS
 4112 SILENCING
 (SILENCING OR SILENCINGS)
 63224 RNA
 14487 RNAS
 63587 RNA
 (RNA OR RNAS)
 127 SILENCING RNA
 (SILENCING(W) RNA)
 63224 RNA
 14487 RNAS
 63587 RNA
 (RNA OR RNAS)
 74071 INTERFERENCE
 5696 INTERFERENCES
 75890 INTERFERENCE
 (INTERFERENCE OR INTERFERENCES)
 2451 RNA INTERFERENCE
 (RNA(W) INTERFERENCE)
 3182 RNAI
 60 RNAIS
 3221 RNAI
 (RNAI OR RNAIS)
 170862 DOUBLE
 7918 DOUBLES
 174226 DOUBLE
 (DOUBLE OR DOUBLES)
 39113 STRANDED
 3 STRANDEDS
 39113 STRANDED
 (STRANDED OR STRANDEDS)
 63224 RNA
 14487 RNAS
 63587 RNA
 (RNA OR RNAS)
 5881 DOUBLE STRANDED RNA
 (DOUBLE(W) STRANDED(W) RNA)
 170862 DOUBLE
 7918 DOUBLES
 174226 DOUBLE
 (DOUBLE OR DOUBLES)
 39113 STRANDED
 3 STRANDEDS
 39113 STRANDED
 (STRANDED OR STRANDEDS)
 63224 RNA
 14487 RNAS
 63587 RNA
 (RNA OR RNAS)
 5881 DOUBLE-STRANDED RNA
 (DOUBLE(W) STRANDED(W) RNA)
 2654 DSRNA
 870 DSRNAS
 2679 DSRNA
 (DSRNA OR DSRNAS)
 L17 7995 SIRNA OR (SILENCING RNA) OR (RNA INTERFERENCE) OR RNAI OR (DOUBL
 E STRANDED RNA) OR (DOUBLE-STRANDED RNA) OR DSRNA

 => s apoptosis or (cell death)
 17445 APOPTOSIS
 197981 CELL
 172161 CELLS
 224893 CELL

```

                (CELL OR CELLS)
39466 DEATH
6416 DEATHS
41983 DEATH
                (DEATH OR DEATHS)
16585 CELL DEATH
                (CELL(W) DEATH)
L18      25020 APOPTOSIS OR (CELL DEATH)

```

=> d his

(FILE 'HOME' ENTERED AT 15:48:36 ON 08 AUG 2005)

FILE 'MEDLINE' ENTERED AT 15:48:49 ON 08 AUG 2005

```

L1      370 S ATR2 OR MRXS3 OR RAD54 OR RAD54L OR XH2 OR (X-LINKED HELICASE
L2      80 S ATRX
L3      10530 S SIRNA OR (SILENCING RNA) OR (RNA INTERFERENCE) OR RNAI OR (DO
L4      2 S L3 AND L1
L5      99563 S APOPTOSIS OR (CELL DEATHC)
L6      125896 S APOPTOSIS OR (CELL DEATH)
L7      13 S L6 AND L1
L8      13 S L7 NOT @PY>2002
L9      5 S L7 NOT PY>2002

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FILE 'CAPLUS' ENTERED AT 15:51:28 ON 08 AUG 2005

```

L10     801 S ATR2 OR MRXS3 OR RAD54 OR RAD54L OR XH2 OR (X-LINKED HELICASE
L11     15443 S SIRNA OR (SILENCING RNA) OR (RNA INTERFERENCE) OR RNAI OR (DO
L12     12 S L11 AND L10
L13     126673 S APOPTOSIS OR (CELL DEATH)
L14     8 S L13 AND L12
L15     1 S L14 NOT PY>2002

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FILE 'PCTFULL' ENTERED AT 15:53:17 ON 08 AUG 2005

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L16     516 S ATR2 OR MRXS3 OR RAD54 OR RAD54L OR XH2 OR (X-LINKED HELICASE
L17     7995 S SIRNA OR (SILENCING RNA) OR (RNA INTERFERENCE) OR RNAI OR (DO
L18     25020 S APOPTOSIS OR (CELL DEATH)

```

=> s l16 and l17

```

L19     80 L16 AND L17

```

=> s l19 and l18

```

L20     59 L19 AND L18

```

=> s 16/ab

```

L21     74254 16/AB

```

=> s l16/ab

```

0 ATR2/AB
0 MRXS3/AB
1 RAD54/AB
0 RAD54L/AB
0 XH2/AB
30493 X/AB
12690 LINKED/AB
85 HELICASE/AB
9 HELICASES/AB
88 HELICASE/AB
((HELICASE OR HELICASES)/AB)
20256 II/AB
17 IIS/AB
20270 II/AB
((II OR IIS)/AB)
0 X-LINKED HELICASE II/AB

```

```

                ((X(W) LINKED(W) HELICASE(W) II)/AB)
30493 X/AB
12690 LINKED/AB
    2525 NUCLEAR/AB
22250 PROTEIN/AB
12745 PROTEINS/AB
30156 PROTEIN/AB
    ((PROTEIN OR PROTEINS)/AB)
    0 X-LINKED NUCLEAR PROTEIN/AB
    ((X(W) LINKED(W) NUCLEAR(W) PROTEIN)/AB)
    1 XNP/AB
    4 ZNF/AB
    61 HX/AB
    0 ZNF-HX/AB
    ((ZNF(W) HX)/AB)
    4 ZNF/AB
    61 HX/AB
    0 ZNF-HX/AB
    ((ZNF(W) HX)/AB)
    0 ATRX/AB
L22      2 (ATR2/AB OR MRXS3/AB OR RAD54/AB OR RAD54L/AB OR XH2/AB OR (X-LI
        NKED HELICASE II/AB) OR (X-LINKED NUCLEAR PROTEIN/AB) OR XNP/AB
        OR ZNF-HX/AB OR ZNF-HX/AB OR ATRX/AB)

```

```

=> s 122 and 117
L23      0 L22 AND L17

```

```

=> s 122 and 118
L24      0 L22 AND L18

```

```

=> s 118/clm
    3035 APOPTOSIS/CLM
    75250 CELL/CLM
    2482 DEATH/CLM
    1319 CELL DEATH/CLM
    ((CELL(W) DEATH)/CLM)
L25      3859 (APOPTOSIS/CLM OR (CELL DEATH/CLM))

```

```

=> s 125 and 119
L26      11 L25 AND L19

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=> s 126 not py>2002
    292170 PY>2002
L27      4 L26 NOT PY>2002

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=> d ibib 1-4

```

```

L27      ANSWER 1 OF 4      PCTFULL    COPYRIGHT 2005 Univentio on STN
ACCESSION NUMBER:      2002098899 PCTFULL ED 20021218 EW 200250
TITLE (ENGLISH):      CHDs AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
TITLE (FRENCH):      CHDS EN TANT QUE MODULATEURS DU MECANISME D'ACTION DE
                        P53 ET UTILISATIONS
INVENTOR(S):      FRIEDMAN, Lori, One Bayside Village Place, Unit 212,
                        San Francisco, CA 94107, US [US, US];
                        PLOWMAN, Gregory, D., 35 Winding Way, San Carlos, CA
                        94070, US [US, US];
                        BELVIN, Marcia, 921 Santa Fe Avenue, Albany, CA 94706,
                        US [US, US];
                        FRANCIS-LANG, Helen, 1782 Pacific Avenue, Apt. 2, San
                        Francisco, CA 94109, US [GB, US];
                        LI, Danxi, 90 Behr Avenue, #302, San Francisco, CA
                        94131, US [CN, US];
                        FUNKE, Roel, P., 343 California Avenue, South San

```


PATENT ASSIGNEE(S): Francisco, CA 94080, US [NL, US];
 LIOUBIN, Mario, N., 3014 Los Prados, #A310, San Mateo,
 CA 94403, US [US, US]
 EXELIXIS, INC., P.O. Box 511, 170 Harbor Way, South San
 Francisco, CA 94083-0511, US [US, US], for all
 designates States except US;
 FRIEDMAN, Lori, One Bayside Village Place, Unit 212,
 San Francisco, CA 94107, US [US, US], for US only;
 PLOWMAN, Gregory, D., 35 Winding Way, San Carlos, CA
 94070, US [US, US], for US only;
 BELVIN, Marcia, 921 Santa Fe Avenue, Albany, CA 94706,
 US [US, US], for US only;
 FRANCIS-LANG, Helen, 1782 Pacific Avenue, Apt. 2, San
 Francisco, CA 94109, US [GB, US], for US only;
 LI, Danxi, 90 Behr Avenue, #302, San Francisco, CA
 94131, US [CN, US], for US only;
 FUNKE, Roel, P., 343 California Avenue, South San
 Francisco, CA 94080, US [NL, US], for US only;
 LIOUBIN, Mario, N., 3014 Los Prados, #A310, San Mateo,
 CA 94403, US [US, US], for US only
 AGENT: BRUNELLE, Jan\$, Exelixis, Inc., P.O. Box 511, 170
 Harbor Way, South San Francisco, CA 94083-0511\$, US
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

| | NUMBER | KIND | DATE |
|---------------------|--|------|----------|
| | WO 2002098899 | A2 | 20021212 |
| DESIGNATED STATES | | | |
| W: | AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW | | |
| RW (ARIPO): | GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW | | |
| RW (EAPO): | AM AZ BY KG KZ MD RU TJ TM | | |
| RW (EPO): | AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR | | |
| RW (OAPI): | BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG | | |
| APPLICATION INFO.: | WO 2002-US17466 | A | 20020603 |
| PRIORITY INFO.: | US 2001-60/296,076 | | 20010605 |
| | US 2001-60/328,605 | | 20011010 |
| | US 2001-60/338,733 | | 20011022 |
| | US 2002-60/357,253 | | 20020215 |
| | US 2002-60/357,600 | | 20020215 |
| L27 ANSWER 2 OF 4 | PCTFULL COPYRIGHT 2005 Univentio on STN | | |
| ACCESSION NUMBER: | 2001057278 PCTFULL ED 20020827 | | |
| TITLE (ENGLISH): | HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR ANALYSIS OF GENE EXPRESSION IN HUMAN HELA CELLS OR OTHER HUMAN CERVICAL EPITHELIAL CELLS | | |
| TITLE (FRENCH): | SONDRES D'ACIDE NUCLEIQUE A UN SEUL EXON DERIVEES DU GENOME HUMAIN UTILES POUR ANALYSER L'EXPRESSION GENIQUE DANS DES CELLULES HELA HUMAINES OU D'AUTRES CELLULES EPITHELIALES HUMAINES DU COL DE L'UTERUS | | |
| INVENTOR(S): | PENN, Sharron, G.; HANZEL, David, K.; CHEN, Wensheng; RANK, David, R. | | |
| PATENT ASSIGNEE(S): | MOLECULAR DYNAMICS, INC.; PENN, Sharron, G.; HANZEL, David, K.; | | |

DOCUMENT TYPE:
PATENT INFORMATION:

CHEN, Wensheng;
RANK, David, R.
Patent

| NUMBER | KIND | DATE |
|---------------|------|----------|
| WO 2001057278 | A2 | 20010809 |

DESIGNATED STATES
W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU
CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK
MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD
SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY
DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF
CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.:
PRIORITY INFO.:

| | | |
|--------------------|---|----------|
| WO 2001-US670 | A | 20010130 |
| US 2000-60/180,312 | | 20000204 |
| US 2000-60/207,456 | | 20000526 |
| US 2000-09/608,408 | | 20000630 |
| US 2000-09/632,366 | | 20000803 |
| US 2000-60/234,687 | | 20000921 |
| US 2000-60/236,359 | | 20000927 |
| GB 2000-0024263.6 | | 20001004 |

L27 ANSWER 3 OF 4
ACCESSION NUMBER:
TITLE (ENGLISH):

PCTFULL COPYRIGHT 2005 Univentio on STN
2001057277 PCTFULL ED 20020827
HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES
USEFUL FOR ANALYSIS OF GENE EXPRESSION IN HUMAN FETAL
LIVER

TITLE (FRENCH):

SONDES D'ACIDE NUCLEIQUE A UN SEUL EXON DERIVEES DU
GENOME HUMAIN UTILES POUR ANALYSER L'EXPRESSION GENIQUE
DANS LE FOIE FOETAL HUMAIN

INVENTOR(S):

PENN, Sharron, G.;
HANZEL, David, K.;
CHEN, Wensheng;
RANK, David, R.

PATENT ASSIGNEE(S):

MOLECULAR DYNAMICS, INC.;
PENN, Sharron, G.;
HANZEL, David, K.;
CHEN, Wensheng;
RANK, David, R.

DOCUMENT TYPE:
PATENT INFORMATION:

| NUMBER | KIND | DATE |
|---------------|------|----------|
| WO 2001057277 | A2 | 20010809 |

DESIGNATED STATES
W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU
CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK
MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD
SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY
DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF
CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.:
PRIORITY INFO.:

| | | |
|--------------------|---|----------|
| WO 2001-US669 | A | 20010130 |
| US 2000-60/180,312 | | 20000204 |
| US 2000-60/207,456 | | 20000526 |
| US 2000-09/608,408 | | 20000630 |
| US 2000-09/632,366 | | 20000803 |
| US 2000-60/234,687 | | 20000921 |
| US 2000-60/236,359 | | 20000927 |

L27 ANSWER 4 OF 4 PCTFULL COPYRIGHT 2005 Univentio on STN
ACCESSION NUMBER: 2000055629 PCTFULL ED 20020515
TITLE (ENGLISH): NOVEL METHODS OF DIAGNOSING AND TREATING BREAST CANCER,
COMPOSITIONS, AND METHODS OF SCREENING FOR BREAST
CANCER MODULATORS
TITLE (FRENCH): NOUVELLES TECHNIQUES PERMETTANT DE TRAITER ET DE
DIAGNOSTIQUER LE CANCER DU SEIN, COMPOSITIONS ET
TECHNIQUES DE CRIBLAGE POUR MODULATEURS DE CANCER DU
SEIN
INVENTOR(S): MACK, David;
GISH, Kurt, C.
PATENT ASSIGNEE(S): EOS BIOTECHNOLOGY, INC.;
MACK, David;
GISH, Kurt, C.
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

| NUMBER | KIND | DATE |
|---------------|------|----------|
| WO 2000055629 | A2 | 20000921 |

DESIGNATED STATES

W:

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE
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UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG
ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
GW ML MR NE SN TD TG

APPLICATION INFO.: WO 2000-US6952 A 20000315
PRIORITY INFO.: US 1999-09/268,865 19990315
US 1999-09/439,878 19991112
US 1999-09/440,370 19991112
US 1999-09/440,493 19991115
US 1999-09/440,676 19991116
US 1999-09/440,677 19991116
US 1999-09/450,810 19991129
US 1999-09/453,137 19991202
US 2000-09/453,137 20000308

=> d ibib kwic 4

L27 ANSWER 4 OF 4 PCTFULL COPYRIGHT 2005 Univentio on STN
ACCESSION NUMBER: 2000055629 PCTFULL ED 20020515
TITLE (ENGLISH): NOVEL METHODS OF DIAGNOSING AND TREATING BREAST CANCER,
COMPOSITIONS, AND METHODS OF SCREENING FOR BREAST
CANCER MODULATORS
TITLE (FRENCH): NOUVELLES TECHNIQUES PERMETTANT DE TRAITER ET DE
DIAGNOSTIQUER LE CANCER DU SEIN, COMPOSITIONS ET
TECHNIQUES DE CRIBLAGE POUR MODULATEURS DE CANCER DU
SEIN
INVENTOR(S): MACK, David;
GISH, Kurt, C.
PATENT ASSIGNEE(S): EOS BIOTECHNOLOGY, INC.;
MACK, David;
GISH, Kurt, C.
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

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WO 2000055629          A2 20000921
DESIGNATED STATES
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    DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
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    MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ
    UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG
    ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI
    FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
    GW ML MR NE SN TD TG
APPLICATION INFO.: WO 2000-US6952          A 20000315
PRIORITY INFO.:  US 1999-09/268,865        19990315
                  US 1999-09/439,878        19991112
                  US 1999-09/440,370        19991112
                  US 1999-09/440,493        19991115
                  US 1999-09/440,676        19991116
                  US 1999-09/440,677        19991116
                  US 1999-09/450,810        19991129
                  US 1999-09/453,137        19991202
                  US 2000-09/453,137        20000308

CLMEN. . . AA430124 ESTs 4.4
RC AA405569 AA405569 Human fibroblast activation protein mRNA complete
cds 4.4
RC-AA227900 AA227900 Il.sapiens mRNA homologous to S. cerevisiae
RAD54 4.4
AA422025 s AA422025 ESTs 4.4
RC AA346495 AA346495 ESTs Moderately similar to !!!! ALU SUBFAMILY J 4.4
RC AA386260 AA386260 EST 4.4
RC. . .
.
.
mRNA 4.5
RC AA464853 AA464853 ESTs Weakly similar to TO I G9.4 [C.elegans] 4.5
RC-AA227900 AA227900 li.sapiens mRNA homologous to S. cerevisiae
RAD54 4.4
AA422025 s AA422025 ESTs 4.4
RC-AA346495 AA346495 ESTs Moderately similar to!!!! ALU SUBFAMILY J 4.4
U73379 U73379 Human cyclin-selective ubiquitin carrier protein. . .
.
.
X57766 Human stromelysin-3 mRNA 4 5 other
RC-AA206497-s AA206497 PROTEASOME COMPONENT C9 44 other
RC-AA227900-s AA2279M H.sapiens mRNA homologous to S. cerevisiae
RAD54 4 4 other
RC-AA346495 AA345495 ESTs Moderately similar toll'! ALU SUBFAMILY J
WARNING ENTRY it'! [H sapiens) 4 4
RC-AA3B6260 AA386260 EST. . . 41 other
RC_DS4296_f 054296 Human mRNA for KLAA0255 gene complete cds 41 TM
RC_N66818_N66818 ESTs 41 TM
U50648 U50648 Protein kinase interferon-induCible double
stranded RNA dependent 41
AA193297 AA193297 ESTs 4 Ss
RC-AA228026 AA228026 ESTs Highly similar to PBDX protein [H.sapiens) 4
TM
RC-AA287325-f AA287325 ESTs 4
RC-AA287596 AA287596. . .
.
.
CHAIN 5 [Ascaris suum) D63079 D63079-S 1.9 15.91
ESTs AA255874 RC - AA255874 1.7 15.8
fibronectin 1 X02761 X02761 3.6 15.2
TFAR19 novel apoptosis-related gene R71082 RC-R71082-s 2.5
15.2
ESTs; Highly similar to FRIZZLED PROTEIN PRECURSOR

```

[Drosophila melanogaster] AA449749 RC-AA449749 10.6 14.7
ESTs AA243721 RC-AA243721 1.5 14.0
Homo. . .

syndrome) 5.1 97 19 9.3
W44735 Hs.9286 ESTs 5.1 51 5 4.5
Z39053 Hs.27263 ESTs 5.1 113 22 6.1
U67319 Hs.9216 caspase 7; **apoptosis**-related cysteine protease
5 66 13 5.3
AA004415 Hs.106106 ESTs 5 468 94 4.7
F10770 Hs.180378 Homo sapiens clone 669 unknown mRNA; complete. . .
Hs.98558 ESTs BCU7 2.7 864 321 0.6
AA620795 Hs.8207 ESTs BC08 2.5 392 155 4.3
AA449749 Hs.311386 ESTs; Highly similar to secreted **apoptosis**
related protein BCW8 2.1 1561 757 1.7
C13992 Hs.93668 ESTs BCQ7 1.8 1047 596 1.6
H85169 Hs.172455 solute carrier family 5 (inositoi. . .

=> d his

(FILE 'HOME' ENTERED AT 15:48:36 ON 08 AUG 2005)

FILE 'MEDLINE' ENTERED AT 15:48:49 ON 08 AUG 2005

L1 370 S ATR2 OR MRXS3 OR RAD54 OR RAD54L OR XH2 OR (X-LINKED HELICASE
L2 80 S ATRX
L3 10530 S SIRNA OR (SILENCING RNA) OR (RNA INTERFERENCE) OR RNAI OR (DO
L4 2 S L3 AND L1
L5 99563 S APOPTOSIS OR (CELL DEATHC)
L6 125896 S APOPTOSIS OR (CELL DEATH)
L7 13 S L6 AND L1
L8 13 S L7 NOT @PY>2002
L9 5 S L7 NOT PY>2002

FILE 'CAPLUS' ENTERED AT 15:51:28 ON 08 AUG 2005

L10 801 S ATR2 OR MRXS3 OR RAD54 OR RAD54L OR XH2 OR (X-LINKED HELICASE
L11 15443 S SIRNA OR (SILENCING RNA) OR (RNA INTERFERENCE) OR RNAI OR (DO
L12 12 S L11 AND L10
L13 126673 S APOPTOSIS OR (CELL DEATH)
L14 8 S L13 AND L12
L15 1 S L14 NOT PY>2002

FILE 'PCTFULL' ENTERED AT 15:53:17 ON 08 AUG 2005

L16 516 S ATR2 OR MRXS3 OR RAD54 OR RAD54L OR XH2 OR (X-LINKED HELICASE
L17 7995 S SIRNA OR (SILENCING RNA) OR (RNA INTERFERENCE) OR RNAI OR (DO
L18 25020 S APOPTOSIS OR (CELL DEATH)
L19 80 S L16 AND L17
L20 59 S L19 AND L18
L21 74254 S 16/AB
L22 2 S L16/AB
L23 0 S L22 AND L17
L24 0 S L22 AND L18
L25 3859 S L18/CLM
L26 11 S L25 AND L19
L27 4 S L26 NOT PY>2002